

# BIOLOGY (B.S.) TEACHING CERTIFICATION

Degree: Bachelor of Science

Major: Biology

Concentration: Teacher Certification

Total Hours: 141

Code	Title	Hours
<b>General Education Core Curriculum</b>		
<i>Communication</i>		
ENGL 1301	Composition I	3
Select one of the following:		3
ENGL 1302	Composition II	
COMM 1315	Public Speaking I	
COMM 1321	Business and Professional Speech	
DSDE 1371	ASL I	
ENGL 1302	Composition II	
FREN 1311	Beginning French I	
SPAN 1311	Beginning Spanish I	
<i>Mathematics</i>		
MATH 2312	Pre Calculus and Elementary Functions	3
<i>Life and Physical Sciences</i>		
BIOL 1406	General Biology I (Majors)	4
BIOL 1407	General Biology II (Majors)	4
<i>Language, Philosophy and Culture</i>		
Select one of the following:		3
DSDE 1374	Introduction to Deaf Studies	
ENGL 2300	Close Reading II	
ENGL 2322	British Literature	
ENGL 2326	American Literature	
ENGL 2331	World Literature	
ENGL 2376	African-American Literature	
FREN 2312	Intermediate French II	
PHIL 1370	Philosophy of Knowledge	
PHIL 2306	Ethics	
SPAN 2312	Intermediate Spanish II	
<i>Creative Arts</i>		
Select one of the following:		3
ARTS 1301	Art Appreciation	
ARTS 1303	Art History I	
COMM 1375	Film Appreciation	
COSC 1324	The Art of Computer Game Development	
DANC 2304	Dance Appreciation	
MUSI 1306	Music Appreciation	
MUSI 1309	Jazz History and Appreciation	
MUSI 1310	History of Rock and Roll	
PHIL 1330	Arts and Ideas	
THEA 1310	Theatre Appreciation	
<i>American History</i>		

Select two of the following:		6
HIST 1301	U S History I 1763-1877	
HIST 1302	U S History II Since 1877	
HIST 2301	Texas History	
<i>Government/Political Science</i>		
POLS 2301	Intro to American Government I	3
POLS 2302	Intro/American Government II	3
<i>Social and Behavioral Science</i>		
Select one of the following:		3
ANTH 2346	Introduction to Anthropology	
ANTH 2351	Cultural Anthropology	
BULW 1370	Business Environment and Public Policy	
CRIJ 1301	Intro to Criminal Justice	
ECON 1301	Principles and Policies	
ECON 2301	Principles of Economics I Macro	
ECON 2302	Principles of Economics II Micro	
FINC 2310	Intro to Consumer Finance	
INEN 2373	Engineering Economics	
PSYC 2301	General Psychology	
PSYC 2315	Lifespan Development	
POLS 1301	Intro to Political Science	
SOCI 1301	Introduction to Sociology	
SOWK 2361	Intro Social Work	
<i>Component Area Option</i>		
PSYC 2317	Introduction to Statistical Methods	3
Any core course not already applied.		3
<b>Required Major Courses</b>		
<i>Biology Core</i>		
BIOL 2421	Microbiology for Science Majors	4
BIOL 3450	General Botany	4
BIOL 3470	Genetics	4
BIOL 4344	Development of Biological Thought	3
BIOL 3460	Invertebrate Zoology	4
or BIOL 4410	Parasitology	
Select one of the following:		4
BIOL 3428	Comparative Anatomy	
BIOL 4408	Mammalogy	
BIOL 4409	Ornithology	
BIOL 4431	Ichthyology	
BIOL 4440	Vertebrate Natural History	
BIOL 4445	Herpetology	
BIOL 4470	Cell Biology/Histology	4
or BIOL 4404	Molecular Biology	
<i>Supporting Courses</i>		
CHEM 1311	General Chemistry I	3
CHEM 1111	General Chemistry I Laboratory	1
CHEM 1312	General Chemistry II	3
CHEM 1112	General Chemistry II Laboratory	1
CHEM 3311	Organic Chemistry I	3
CHEM 3111	Organic Chemistry I Laboratory	1
CHEM 3312	Organic Chemistry II	3
CHEM 3112	Organic Chemistry II Laboratory	1

2 Biology (B.S.) Teaching Certification

PHYS 1401	College Physics I	4
PHYS 1402	College Physics II	4
<i>Biology Electives</i>		
Advanced Biology Electives 3000-4000		22
<i>General Electives</i>		
Upper level (3000-4000) courses		3
<i>Teaching Certification</i>		
PEDG 2310	Introduction to Teacher Education	3
PEDG 3300	Human Development and Learning	3
PEDG 3380	Secondary Curriculum and Methodology	3
PEDG 4380	Secondary Methodology and Classroom Management	3
PEDG 4620	Clinical Teaching	6
READ 3326	Content Area Reading	3
<b>Total Hours</b>		<b>141</b>